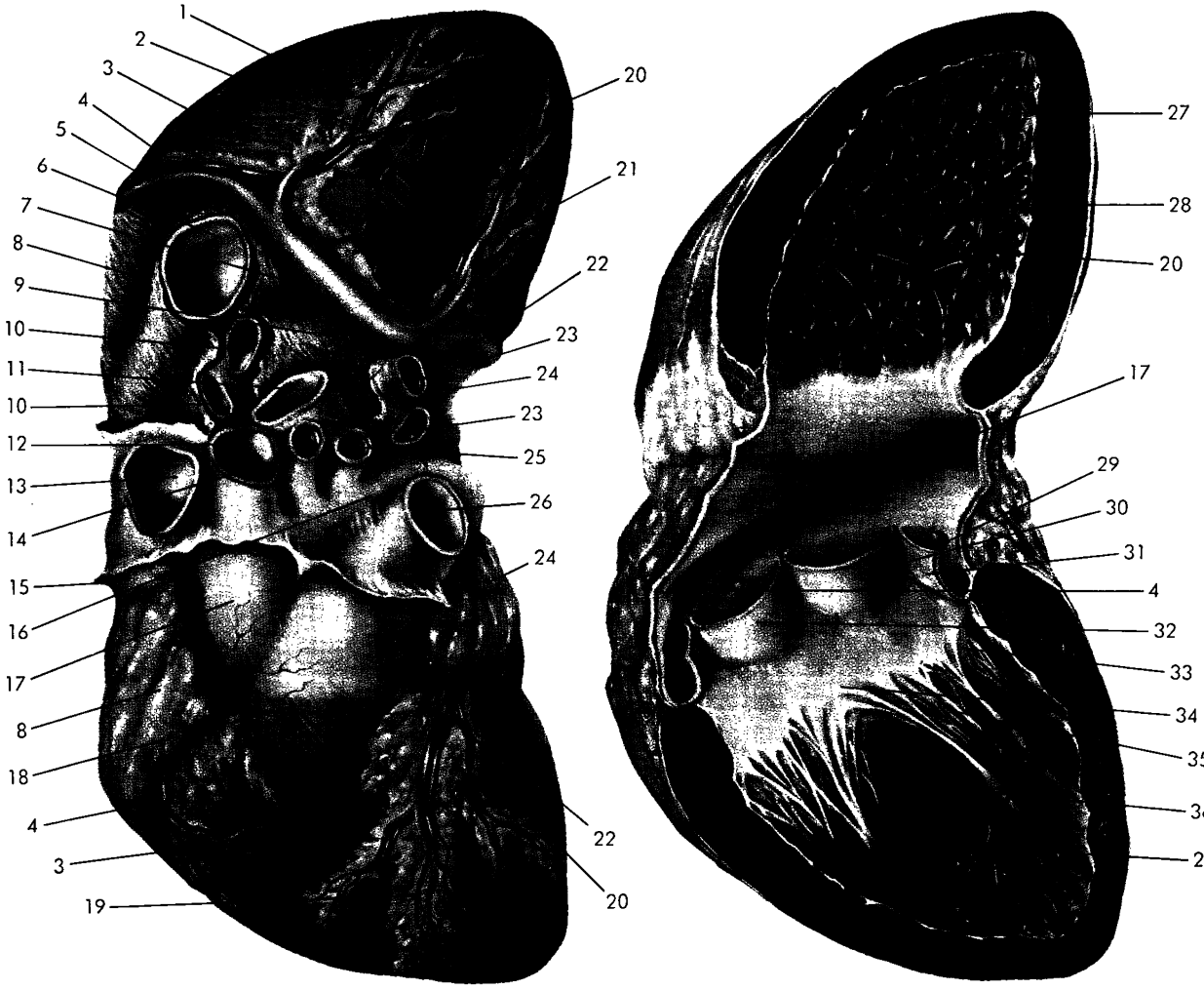
Anatomy *of the* Heart



1 Middle cardiac vein
2 Posterior descending branch of right coronary artery
3 Right ventricle
4 Right coronary artery
5 Small cardiac vein
6 Inferior vena cava
7 Coronary sinus
8 Right auricle
9 Left atrium
10 Right pulmonary vein
11 Right branch of pulmonary artery
12 Innominate artery
13 Superior vena cava
14 Left common carotid artery
15 Pericardium
16 Aortic arch
17 Ascending aorta
18 Conus arteriosus
19 Anterior descending branch of left coronary artery
20 Left ventricle
21 Posterior vein of left ventricle
22 Great cardiac vein
23 Left pulmonary vein
24 Left auricle
25 Left subclavian artery
26 Left branch of pulmonary artery
27 Trabeculae carneae
28 Trabecula tendinea
29 Left coronary artery
30 Posterior semilunar valve
31 Left semilunar valve
32 Right semilunar valve
33 Posterior cusp of mitral (bicuspid) valve
34 Anterior cusp of mitral (bicuspid) valve
35 Chordae tendineae
36 Papillary muscle

This is one of a series of paintings by Paul Peck, illustrating the anatomy of various organs and tissues of the body which are frequently attacked by infection, where aureomycin may prove useful.

Aureomycin

HYDROCHLORIDE CRYSTALLINE

in

Infections Involving the Heart

ENDOCARDITIS —Aureomycin has established itself as one of the most valuable agents available for the treatment of infections involving the heart. Aureomycin is now recognized as a highly effective antibiotic against the organisms most frequently encountered in endocarditis—staphylococci, *Str. viridans*, *Str. fecalis* and other enterococci. These organisms are being increasingly found resistant to penicillin and streptomycin. Endocarditis caused by these organisms has responded to aureomycin after failure of other antibiotics. Aureomycin is held by many physicians to be an antibiotic of choice for prophylactic use in patients with organic cardiac disease who require oral, intestinal, or rectal surgery, or any transurethral operative procedure. Endocarditis complicating typhus and brucellosis has responded well to aureomycin therapy.

PERICARDITIS —The importance of aureomycin in pericarditis has been demonstrated by its successful use after failure of other therapy—in acute nonspecific pericarditis, possibly of viral etiology; *H. influenzae* pericarditis; tularemic pericarditis; and actinomycotic pericarditis.

RHEUMATIC FEVER —Because aureomycin is an antibiotic with a wide range of effectiveness against the pathogenic strains of streptococci, its use has been recommended for the prevention of acute rheumatic fever and its cardiac complications.

* * *

PACKAGES: *Capsules:* 50 mg.—Vials of 25 and 100; 100 mg.—Vials of 25 and bottles of 100; 250 mg.—Vials of 16 and bottles of 100. *Ophthalmic Solution:* Vials of 25 mg.; solution prepared by adding 5 cc. distilled water.

LEDERLE LABORATORIES DIVISION

AMERICAN Cyanamid COMPANY

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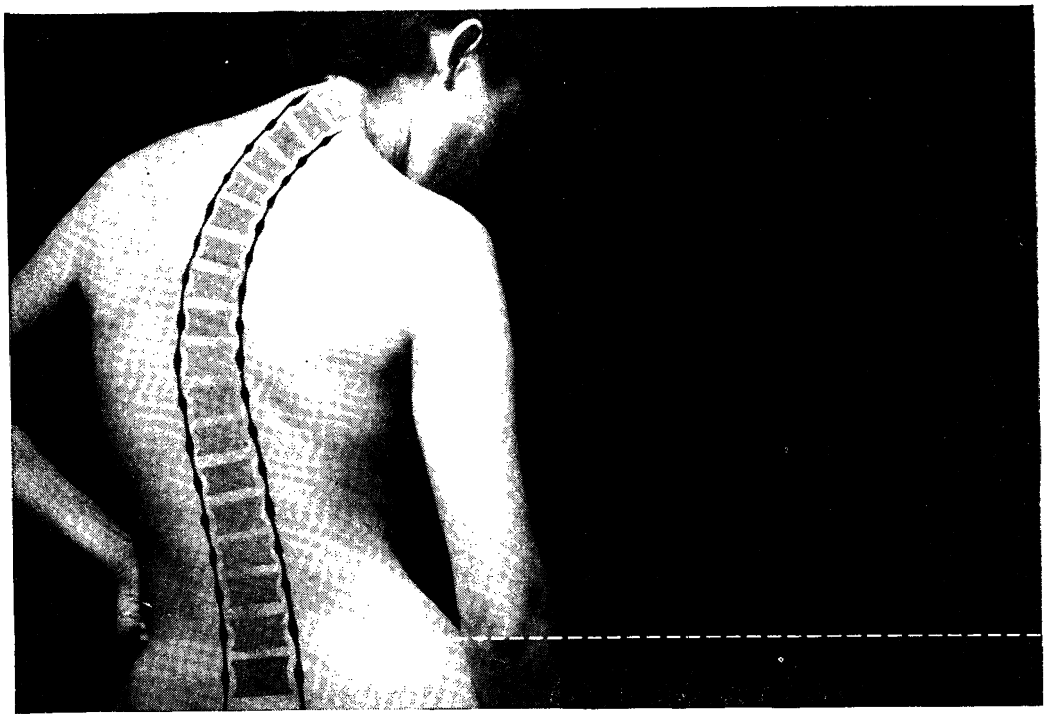
A bibliography of 39 selected references will be mailed on request.



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to reduce blood pressure and relieve symptoms—a new, potent oral hypotensive

Extensive clinical use has demonstrated Methium's ability to

1. reduce blood pressure to more normal levels
2. relieve hypertensive symptoms
3. provide symptomatic relief in some cases even where pressure cannot be lowered.

An autonomic ganglionic blocking agent, Methium *(hexamethonium chloride)* inhibits nerve impulses that produce vasoconstriction—thereby causing blood pressure to fall.

In successfully treated patients, receding pressure is accompanied by relief of headache, dizziness, palpitation and fatigue. In other cases, where blood pressure does not respond to therapy, symptomatic improvement may nonetheless be noted.

Methium is a potent drug and should be used with great caution when complications exist —impaired renal function, coronary artery disease and existing or threatened cerebral vascular accidents. Complete instructions for prescribing Methium are available on written request or from your Chilcott detail man and should be consulted before using the drug.

Methium is supplied in both 125 mg. and 250 mg. scored tablets in bottles of 100 and 500.

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The Bulletin of The New York Academy of Medicine, Vol. 29, No. 1, Published Monthly by The New York Academy of Medicine, 2 East 103 Street, New York 29, N. Y. Entered as second-class matter February 3, 1928. at the Post Office at New York, N. Y., under the Act of August 24, 1912. Subscription, Domestic and Foreign copies, $5.00. Single copies, 50c.

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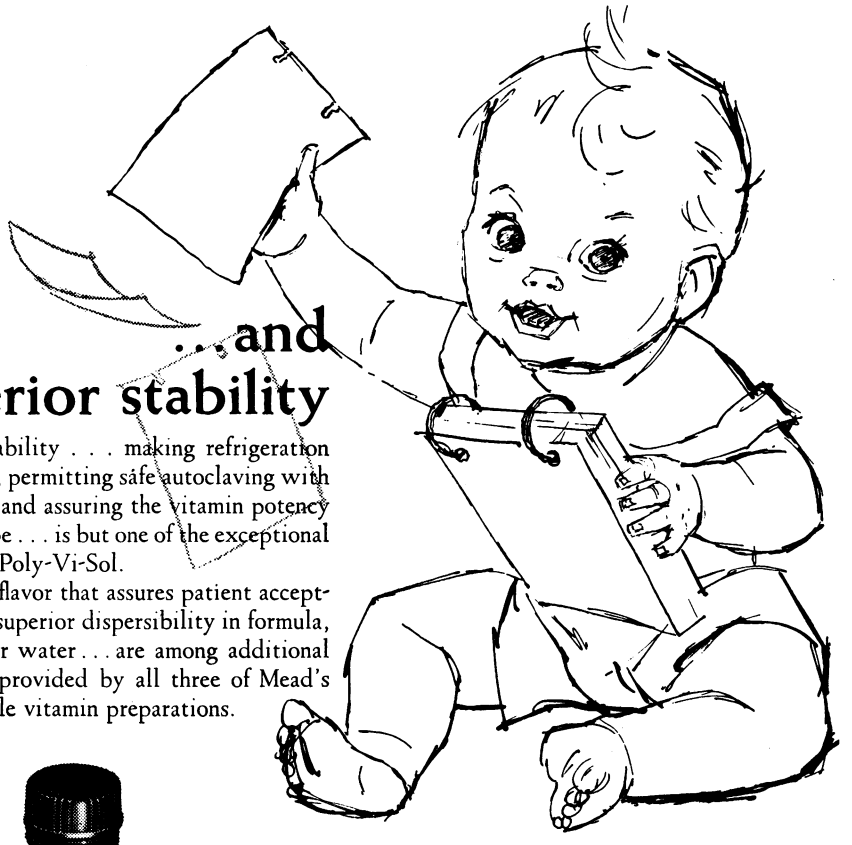

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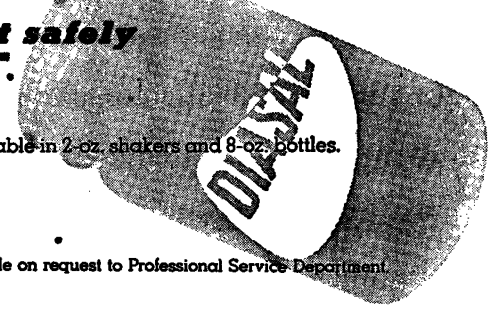

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1. Rimmerman, A. B., and others: A Comparative Study of Sodium-free Salt Substitutes, Am. Pract. & Digest Treat. 2:168, 1951.
2. Fremont, R. E., and others: Postgrad. Med. 10:216, 1951.

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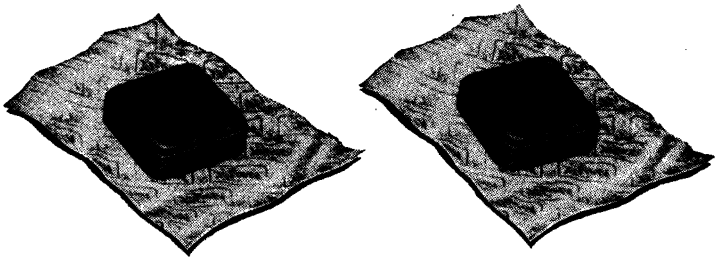

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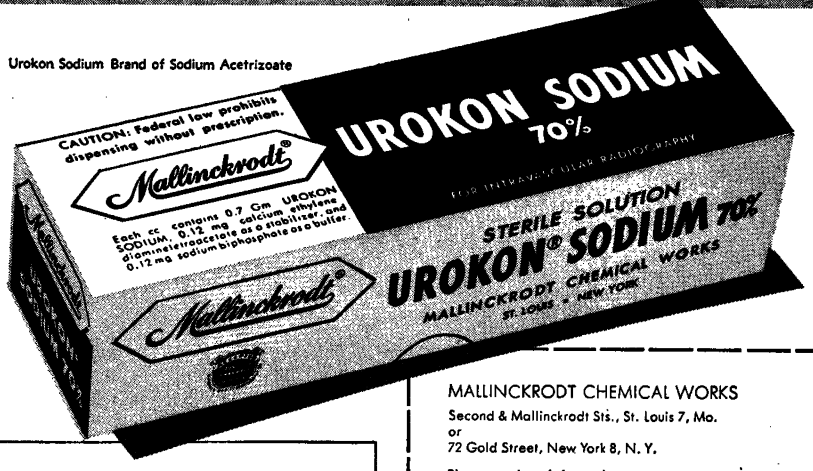

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Clinical evidence indicates that much estrogen therapy is accompanied by a high incidence of unfortunate side actions such as withdrawal bleeding, nausea and edema.

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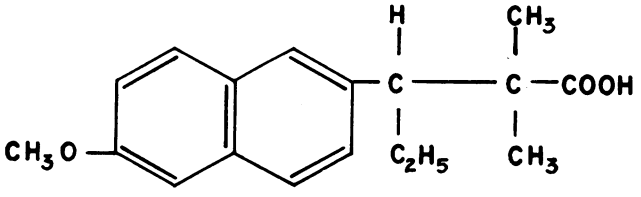

as an effective estrogenic substance with a *strikingly low incidence* of these undesirable side effects.

VALLESTRIL is only available in 3 mg. scored tablets. For treatment of the physiologic or artificial menopause—3 mg. (one tablet) twice daily for two weeks. Then a maintenance dose of one tablet daily for an additional month or longer if symptoms require continued administration.

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One 'Perazil' 50 mg. usually gives comfort for 12 to 24 hours.

Chlorcyclizine Hydrochloride,
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Histamine antagonist, notable for its relative freedom from side effects

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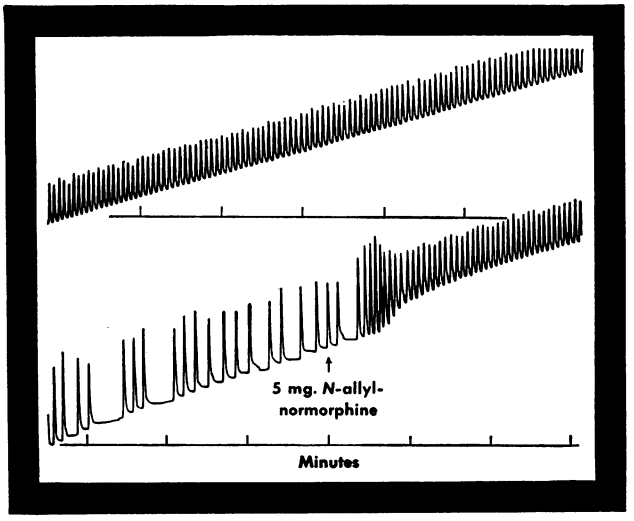

potent and

well-tolerated

Effect of NALLINE *on respiratory depression caused by 57 milligrams of morphine.*[1]

NALLINE is a specific antidote for poisoning following accidental overdosage with morphine and its derivatives, as well as meperidine and methadone.

This new product, the Merck brand of *N*-Allylnormorphine, rapidly reverses respiratory depression. The respiratory minute volume promptly increases and the rate increases two- or threefold.

A recent study[2] of 270 parturient women indicates that NALLINE may be of value in obstetrics. Onset of breathing occurred significantly sooner in infants from mothers (sedated with meperidine) who were given NALLINE 10 minutes prior to delivery.

Literature available

[1]Eckenhoff, J. E., Elder, J. D., and King, B. D., *Am. J. Med. Scs.* 223:191, February 1952. [2]Eckenhoff, J. E., Hoffman, G. L., and Dripps, R. D., Annual Meeting of the American Society of Anesthesiologists, Washington, D. C., Nov. 8, 1951.

SUPPLIED:
Solution of NALLINE Hydrochloride in 2-cc. ampuls containing 10 mg. of active ingredient, 5 mg./cc.

NALLINE *comes within the scope of the Federal Narcotics Law.*

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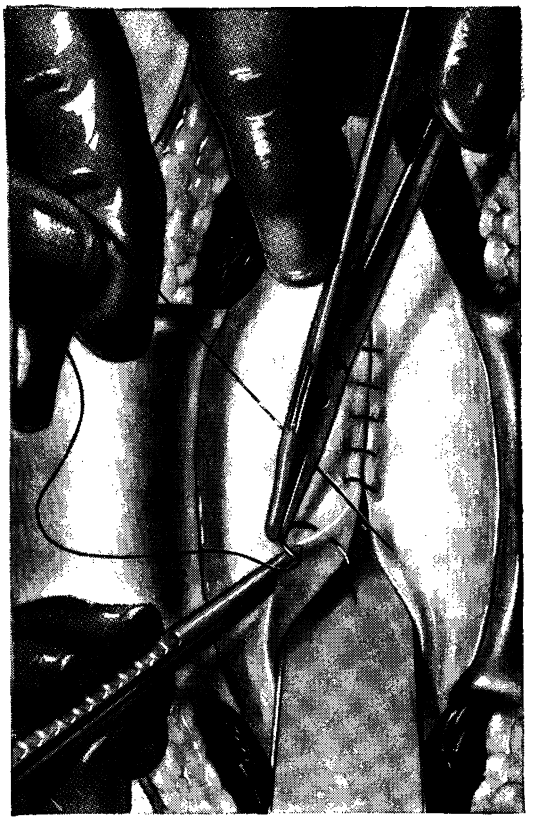

Wounds sutured with smaller sizes of D & G surgical gut on Atraumatic needles have less trauma and heal faster and more evenly.

faster wound healing

Patients move about more freely after their operations and are out of the hospital sooner when their wounds have been closed with a minimum of trauma. Davis & Geck offers two modern aids to faster and more even healing:

1. Davis & Geck "timed-absorption" surgical gut—in small sizes
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Davis & Geck surgical gut sutures may be used in smaller sizes than might be expected because *diameter for diameter* the tensile strength is unexcelled by any other brand. By a unique process of control, these "timed-absorption" sutures offer maximum resistance to digestion during the early days when the wound is weakest. After healing is under way, digestion is more rapid until completed. Smaller suture sizes permit closer approximation and provoke less trauma. The patient's convalescence is smoother.

faster healing with Atraumatic® needles

In suturing with Atraumatic needles there is less tissue trauma, faster and more even healing. The D & G Atraumatic needle is joined to its suture smoothly. Needle and suture are about the same diameter. No big eye and double strand of suture are dragged through the tissue. Sutures on Atraumatic needles are economical, too. Surgery is easier and faster, needles are always sharp, *no time is lost while the nurse threads needles.*

For better wound healing, use the smaller sizes of Davis & Geck "timed-absorption" sutures, with an Atraumatic needle attached, on your next wound closure.

Davis & Geck, Inc.

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ASTERIC *Brewer* (5 gr. enteric-coated Aspirin) ***Allows Greater Dosages***— 40, 50, 60, 70 or more grains daily as required where gastric distress and other irritating symptoms resulting from high dosages of plain aspirin tablets are contraindicated.

ASTERIC *Brewer* is indicated in the treatment of certain rheumatic disorders requiring maximal dosage of aspirin over long periods. *"Enteric-coated aspirin (ASTERIC) has an analgesic effect equal to that of regular aspirin and the onset of its action is only slightly delayed."* Clinically it was shown that equal blood levels were obtained.*

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*Talkov, R. H., Ropes, M. W., and Bauer, W.: *The Value of Enteric Coated Aspirin.* N.E.J. Med. 242,19 (Jan. 5) 1950.

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NO. 1 OF A SERIES OF MESSAGES PRESENTED AS A SERVICE TO THE PROFESSION BY THE AMERICAN CHLOROPHYLL DIVISION OF STRONG COBB & CO., INC., FIRST COMMERCIAL PRODUCERS OF A CHEMICALLY MEASURABLE WATER-SOLUBLE EXTRACT, 1933.

Prepared from the Brochure—"Chlorophyll 1953" by Walter H. Eddy, Ph.D.

Scientific Facts on CHLOROPHYLL

THE ACTIVITY of a mysterious substance which has since been called "Green gold"—chlorophyll, was first discovered by Sir Joseph Priestley in 1772.

Priestley found that oxygen was not depleted from under a jar inverted in a pan of water if a sprig of mint was left in the jar and in which a candle was left burning. The candle continued to burn—the mint to grow.[1] Priestley was probably the first to comment on what we now call "photosynthesis," a process in nature which largely accounts for the edibility of a great proportion of the foodstuffs on which man and animal subsist today.

Further studies by Priestley, Ingen-Housz[2] and others showed that the green pigment of leaves absorbs light and thus acquires energy with which plants synthesize sugars, starches and other nutrients.

From that time forward photosynthesis, and later chlorophyll, has been a constant source of study. This chemical was first named in 1818 by Pelletier and Caventous[3] from the Greek "chloros" or green and "phyllon" or leaf. Doctors Richard Wilstatter and Hans Fischer gained the Nobel Prize for their determination of the chemical nature of the chlorophyll molecule and that, regardless of plant source, the green pigment is present in only two forms known today as chlorophylls *a* and *b*.

The chlorophyll molecule is one of the most complex in chemistry and even today is still subject to some disagreement, but as will be shown in a later message is closely related to hemin, the coloring matter of blood. From this has arisen much speculation as to its possible action in nutritional anemias.

However, from those early years chlorophyll because of its fat-soluble nature cannot largely be extracted by chewing leaves. Hence it remained to a great degree, a costly laboratory curiosity until Robert Van Sant, the founder of this company, with the cooperation of Dr. Frank M. Schertz of the United States Department of Agriculture in 1933 first developed a water-soluble, chemically-measurable chlorophyll. This extract was acceptable to the great European chlorophyll authority of the period, Professor Hans Fischer of the University of Munich.

1. Priestley, Sir Joseph; Philosophical Transactions of the Royal Society, England, 1772. Also Book: "Experiments and Observations on Different Kinds of Air," Vol. I. Johnson, London, 1776.

2. Ingen-Housz, J., Text entitled "Experiments upon vegetables, discovering their good power of purifying the common air in sunshine and injuring it in the shade and at night." Elmsley Payne, London, 1779.

3. Pelletier, J. and Caventous, J. B., Ann. chim. phys. (2) 9:194, 1818 and (2) 51:182, 1832. Origin of the term chlorophyll.

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Preceptin®
VAGINAL GEL

with measured-dose applicator

requires no diaphragm

effective
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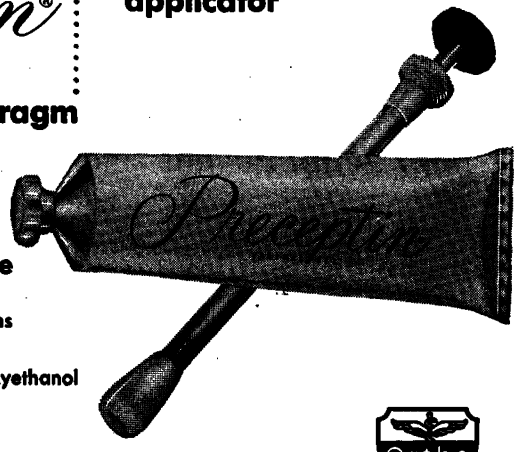
esthetically acceptable



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these attractive, durable, "Lumite" woven plastic zipper kits . . . . . .

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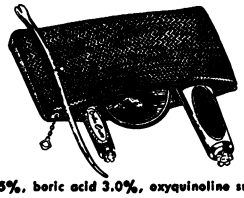
55 mm. to 95 mm.



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contents:
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Ortho Creme vaginal cream (trial size tube)
Ortho® Diaphragm (coil spring) } 55 mm. to
Ortho® Diaphragm introducer } 95 mm.

Ortho-Gynol vaginal jelly — ricinoleic acid 0.75%, boric acid 3.0%, oxyquinoline sulphate 0.025%, p-Diisobutylphenoxypolyethoxyethanol 1.00%.
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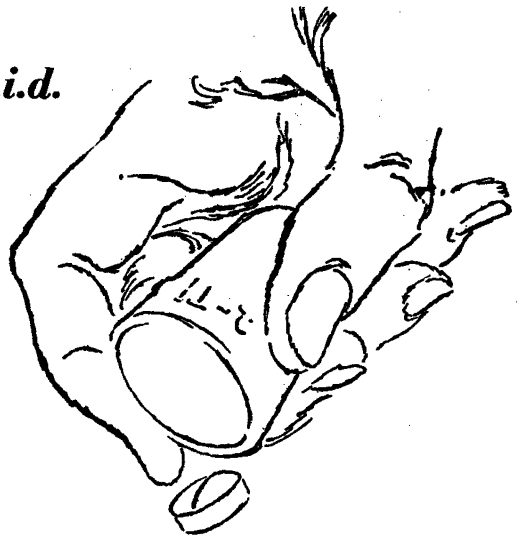

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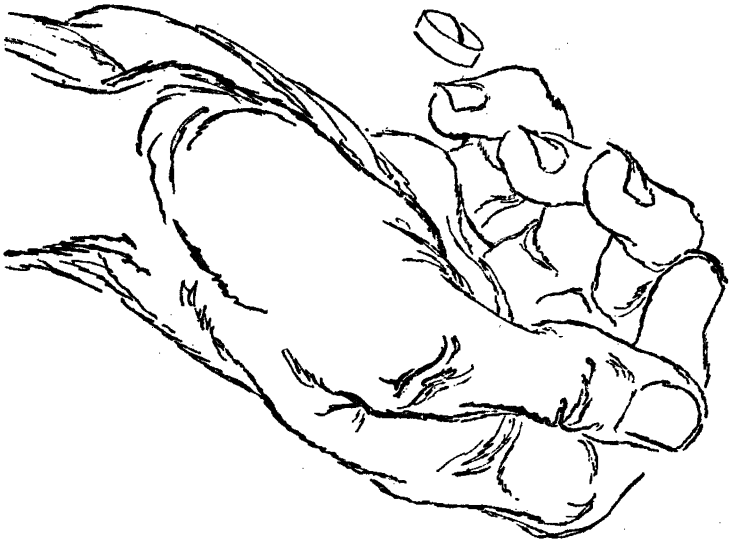

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